

SUMMARIES									
Result No.	Score	Query		Length	DB	ID	Description		
		Match	%						
1	3052	100.0		586	12	US-10-295-027-1300	Sequence 1300,		
2	2818	92.3		539	12	US-10-295-027-1299	Sequence 1299,		
3	2812	92.1		715	11	US-09-759-1308-73	Sequence 73, A		
4	2812	92.1		715	14	US-10-003-132-2	Sequence 2, Ap		
5	2652	86.9		681	11	US-09-759-1308-75	Sequence 75, A		
6	2346.5	76.9		769	12	US-10-295-027-1301	Sequence 1301,		
7	2229	73.0		421	11	US-09-759-1308-76	Sequence 76, A		
8	1309.5	42.9		503	14	US-10-003-132-4	Sequence 4, Ap		
9	1301.5	42.6		503	9	US-09-823-038A-51	Sequence 51, Ap		
10	1075	35.2		458	14	US-10-003-132-6	Sequence 6, Ap		
11	942	30.9		769	16	US-10-191-436-8	Sequence 8, Ap		
12	937	30.7		769	16	US-10-191-436-5	Sequence 5, Ap		
13	929	30.4		775	16	US-10-191-436-2	Sequence 2, Ap		
14	924.5	30.3		729	15	US-10-060-830-3	Sequence 3, Ap		
15	906	29.7		554	12	US-10-094-749-2500	Sequence 2500,		

; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1300
; LENGTH: 586
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-1300

Query Match 100.0%; Score 3052; DB 12; Length 586;
Best Local Similarity 100.0%; Pred. No. 1e-277;
Matches 586; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGFGAGQRLPVAPRSAAEAPGQIRIGRGEAEALAPSGVMVPGARGGGALAR 60
Db 1 MGFGAGQRLPVAPRSAAEAPGQIRIGRGEAEALAPSGVMVPGARGGGALAR 60
Qy 61 AAGRLGALLAVSAPRLQAEELGDCGHLVTVQDSGTMTSKNYPGTYPNHTVCEKTI 120
Db 61 AAGRLGALLAVSAPRLQAEELGDCGHLVTVQDSGTMTSKNYPGTYPNHTVCEKTI 120
Qy 121 VPKGKRLILRLGDLIDIESQTCASDYLLFTSSDQGYPCGSMVTPKELLNTSEVTVRFE 180
Db 121 VPKGKRLILRLGDLIDIESQTCASDYLLFTSSDQGYPCGSMVTPKELLNTSEVTVRFE 180
Qy 181 SGSHISGRGFLITVYASSDHPDLITCLERASHYLKTEYKPCACRQVAGDISGMVVDGY 240
Db 181 SGSHISGRGFLITVYASSDHPDLITCLERASHYLKTEYKPCACRQVAGDISGMVVDGY 240
Qy 241 RDTSLCKAAIHAGIIADELGGQISVLQKGISRYEGILANGVLSRDGSLSDKRFLETSN 300
Db 241 RDTSLCKAAIHAGIIADELGGQISVLQKGISRYEGILANGVLSRDGSLSDKRFLETSN 300
Qy 301 GCSRLSFEPDGQIRASSWSQVNESGDQVHWSFGQARLQDQGPSWASGDSNNHKKPREW 360
Db 301 GCSRLSFEPDGQIRASSWSQVNESGDQVHWSFGQARLQDQGPSWASGDSNNHKKPREW 360
Qy 361 LEIDLGEKKKITGRTTGSTQSNFNVYKSFVMNFKNNSKWKTYKGIIVNEEKVFGQNS 420
Db 361 LEIDLGEKKKITGRTTGSTQSNFNVYKSFVMNFKNNSKWKTYKGIIVNEEKVFGQNS 420
Qy 421 NFRDPVQNNFPIPIVARVVRVVPQTHQRIALKVELIGCQITQGNDSLVRKTSQTSVS 480
Db 421 NFRDPVQNNFPIPIVARVVRVVPQTHQRIALKVELIGCQITQGNDSLVRKTSQTSVS 480
Qy 481 TKKEDETIITRIPSEETSTGINITVAIPLVLLVLPVAGMGI FAAPFRKKKKGSPYGSA 540
Db 481 TKKEDETIITRIPSEETSTGINITVAIPLVLLVLPVAGMGI FAAPFRKKKKGSPYGSA 540
Qy 541 EAQKTDCKWKQIKYPPARHQSAEFTISYDNEKEMTKQLDLITSDMAG 586
Db 541 EAQKTDCKWKQIKYPPARHQSAEFTISYDNEKEMTKQLDLITSDMAG 586

RESULT 2

US-10-295-027-1299
; Sequence 1299, Application US/102995027
; Publication No. US2003023250A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer

; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1299
; LENGTH: 539
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-1299

Query Match 92.1%; Score 2818; DB 12; Length 539;
Best Local Similarity 100.0%; Pred. No. 8.9e-256;
Matches 539; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 48 MVPGARGGGALARAAGRLGALLAVSAPRLQAEELGDCGHLVTVQDSGTMTSKNYPG 107
Db 1 MVPGARGGGALARAAGRLGALLAVSAPRLQAEELGDCGHLVTVQDSGTMTSKNYPG 60
Qy 108 TYPNHTVCEKTIITVPKGRILRLGDLIDIESQTCASDYLLFTSSDQGYPCGSMVTPKE 167
Db 61 TYPNHTVCEKTIITVPKGRILRLGDLIDIESQTCASDYLLFTSSDQGYPCGSMVTPKE 120
Qy 168 LLNTSEVTVPFSGSHISGRGFLITVYASSDHPDLITCLERASHYLKTEYKFCPACRCD 227
Db 121 LLNTSEVTVPFSGSHISGRGFLITVYASSDHPDLITCLERASHYLKTEYKFCPACRCD 180
Qy 228 VAGDISGMVVDGYRDTSLCKAAIHAGIIADELGGQISVLQKGISRYEGILANGVLSRD 287
Db 181 VAGDISGMVVDGYRDTSLCKAAIHAGIIADELGGQISVLQKGISRYEGILANGVLSRD 240
Qy 288 GSLSDKRFLETSNGCSRLSFEPDGQIRASSWSQVNESGDQVHWSFGQARLQDQGPSWA 347
Db 241 GSLSDKRFLETSNGCSRLSFEPDGQIRASSWSQVNESGDQVHWSFGQARLQDQGPSWA 300
Qy 348 SGDSSNNHKKPREWLEIDLGEKKKITGRTTGSTQSNFNVYKSFVMNFKNNSKWKTYKG 407
Db 301 SGDSSNNHKKPREWLEIDLGEKKKITGRTTGSTQSNFNVYKSFVMNFKNNSKWKTYKG 360
Qy 408 IVNNEEKVFGQNSNFRDPVQNNFPIPIVARVVRVVPQTHQRIALKVELIGCQITQGNDS 467
Db 361 IVNNEEKVFGQNSNFRDPVQNNFPIPIVARVVRVVPQTHQRIALKVELIGCQITQGNDS 420
Qy 468 LWRKTSQTSVSSTKKEDETIITRIPSEETSTGINITVAIPLVLLVLPVAGMGI FAAP 527
Db 421 LWRKTSQTSVSSTKKEDETIITRIPSEETSTGINITVAIPLVLLVLPVAGMGI FAAP 480
Qy 528 RKKKKKGSPYGSAAQKTDCKWKQIKYPPARHQSAEFTISYDNEKEMTKQLDLITSDMAG 586
Db 481 RKKKKKGSPYGSAAQKTDCKWKQIKYPPARHQSAEFTISYDNEKEMTKQLDLITSDMAG 539

RESULT 3

US-09-759-130B-73
; Sequence 73, Application US/09/759130B
; Publication No. US20030022279A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: McCarthy, Sean A
; APPLICANT: Fraser, Christopher C
; APPLICANT: Sharp, John D
; APPLICANT: Barnes, Thomas S
; APPLICANT: Kirst, Susan J
; APPLICANT: Mackay, Charles R
; APPLICANT: Myers, Paul S
; APPLICANT: Leiby, Kevin R
; APPLICANT: Wrighton, Nicolas
; APPLICANT: Goodearl, Andrew
; APPLICANT: Holtzman, Douglas A
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
; TITLE OF INVENTION: PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
; TITLE OF INVENTION: USES.
; FILE REFERENCE: MP100-535OMNIM
; CURRENT APPLICATION NUMBER: US/09/759,130B
; CURRENT FILING DATE: 2002-09-16
; PRIOR APPLICATION NUMBER: US 09/479,249
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 09/559,497
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/602,871
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 09/420,707
; PRIOR FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 460
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 715
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-759-130B-73

Query Match 92.1%; Score 2812; DB 11; Length 715;
Best Local Similarity 100.0%; Pred. No. 5.2e-255;
Matches 538; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	48	MVPGARGGALARAAGRLALLAVSAPRLQAELGDCGHLVTVQDSGTWTSKNYPG	107
Db	1	MVPGARGGALARAAGRLALLAVSAPRLQAELGDCGHLVTVQDSGTWTSKNYPG	60
Qy	108	TYPNHTVCEKTIIVPKGRLLRLGLDLDIESQTCASDYLLFTSSSDQYGYCGSMTVPKE	167
Db	61	TYPNHTVCEKTIIVPKGRLLRLGLDLDIESQTCASDYLLFTSSSDQYGYCGSMTVPKE	120
Qy	168	LLNTSEVTVRFESGSHISGRGFLITYASSDHPDLITCLERASHYLKTEYSKFCPACGRD	227
Db	121	LLNTSEVTVRFESGSHISGRGFLITYASSDHPDLITCLERASHYLKTEYSKFCPACGRD	180
Qy	228	VAGDISGNMVDGYRDTSLCKAAIHAGIIADELGGQISVLQRKGISRYEGILANGVLSRD	287
Db	181	VAGDISGNMVDGYRDTSLCKAAIHAGIIADELGGQISVLQRKGISRYEGILANGVLSRD	240
Qy	288	GSLSDKRFLFTSNGCSRSLSPFDPGQIRASSSSWQSVNESGDQVHWSFGQARLQDQGPSWA	347
Db	241	GSLSDKRFLFTSNGCSRSLSPFDPGQIRASSSSWQSVNESGDQVHWSFGQARLQDQGPSWA	300
Qy	348	SGDSSNNHKPREWLEIDLGEKKKITGIRTTGTSQSNFNFYVKSFVMNFKNNNSKWKTYKG	407
Db	301	SGDSSNNHKPREWLEIDLGEKKKITGIRTTGTSQSNFNFYVKSFVMNFKNNNSKWKTYKG	360
Qy	408	IVNNEKVPQGSNFRDPVQNNFIPPIVARYVRVPQTWHORIALKVELIGCOITQGNDS	467
Db	361	IVNNEKVPQGSNFRDPVQNNFIPPIVARYVRVPQTWHORIALKVELIGCOITQGNDS	420
Qy	288	GSLSDKRFLFTSNGCSRSLSPFDPGQIRASSSSWQSVNESGDQVHWSFGQARLQDQGPSWA	347

Db	241	GSLSDKRFLFTSNGCSRSLSPFDPGQIRASSSSWQSVNESGDQVHWSFGQARLQDQGPSWA	300
Qy	348	SGDSSNNHKPREWLEIDLGEKKKITGIRTTGTSQSNFNFYVKSFVMNFKNNNSKWKTYKG	407
Db	301	SGDSSNNHKPREWLEIDLGEKKKITGIRTTGTSQSNFNFYVKSFVMNFKNNNSKWKTYKG	360
Qy	408	IVNNEKVPQGSNFRDPVQNNFIPPIVARYVRVPQTWHORIALKVELIGCOITQGNDS	467
Db	361	IVNNEKVPQGSNFRDPVQNNFIPPIVARYVRVPQTWHORIALKVELIGCOITQGNDS	420
Qy	468	LVWRKTSQSTSVSTKKEDETIITRPISBETSTGINITTTVAIPLVLLVLVLFAGMGIFAAAF	527
Db	421	LVWRKTSQSTSVSTKKEDETIITRPISBETSTGINITTTVAIPLVLLVLVLFAGMGIFAAAF	480
Qy	528	RKXKXKXGSPYGSAAEQKTCWKQIKYPPFARHQAETIISYDNEKEMTKQLDLITSMA	585
Db	481	RKXKXKXGSPYGSAAEQKTCWKQIKYPPFARHQAETIISYDNEKEMTKQLDLITSMA	538

RESULT 4

US-10-003-132-2
; Sequence 2, Application US/10003132
; Publication No. US20020192750A1
; GENERAL INFORMATION:
; APPLICANT: Fox, Brian A.
; APPLICANT: Gao, Zeren
; APPLICANT: Shoemaker, Kimberly E.
; TITLE OF INVENTION: NEUROFILIN HOMOLOG 2CUBS
; FILE REFERENCE: 00-62
; CURRENT APPLICATION NUMBER: US/10/003,132
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/249,004
; PRIOR FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 715
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-003-132-2

Query Match 92.1%; Score 2812; DB 14; Length 715;
Best Local Similarity 100.0%; Pred. No. 5.2e-255;
Matches 538; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	48	MVPGARGGALARAAGRLALLAVSAPRLQAELGDCGHLVTVQDSGTWTSKNYPG	107
Db	1	MVPGARGGALARAAGRLALLAVSAPRLQAELGDCGHLVTVQDSGTWTSKNYPG	60
Qy	108	TYPNHTVCEKTIIVPKGRLLRLGLDLDIESQTCASDYLLFTSSSDQYGYCGSMTVPKE	167
Db	61	TYPNHTVCEKTIIVPKGRLLRLGLDLDIESQTCASDYLLFTSSSDQYGYCGSMTVPKE	120
Qy	168	LLNTSEVTVRFESGSHISGRGFLITYASSDHPDLITCLERASHYLKTEYSKFCPACGRD	227
Db	121	LLNTSEVTVRFESGSHISGRGFLITYASSDHPDLITCLERASHYLKTEYSKFCPACGRD	180
Qy	228	VAGDISGNMVDGYRDTSLCKAAIHAGIIADELGGQISVLQRKGISRYEGILANGVLSRD	287
Db	181	VAGDISGNMVDGYRDTSLCKAAIHAGIIADELGGQISVLQRKGISRYEGILANGVLSRD	240
Qy	288	GSLSDKRFLFTSNGCSRSLSPFDPGQIRASSSSWQSVNESGDQVHWSFGQARLQDQGPSWA	347
Db	241	GSLSDKRFLFTSNGCSRSLSPFDPGQIRASSSSWQSVNESGDQVHWSFGQARLQDQGPSWA	300
Qy	348	SGDSSNNHKPREWLEIDLGEKKKITGIRTTGTSQSNFNFYVKSFVMNFKNNNSKWKTYKG	407
Db	301	SGDSSNNHKPREWLEIDLGEKKKITGIRTTGTSQSNFNFYVKSFVMNFKNNNSKWKTYKG	360
Qy	408	IVNNEKVPQGSNFRDPVQNNFIPPIVARYVRVPQTWHORIALKVELIGCOITQGNDS	467
Db	361	IVNNEKVPQGSNFRDPVQNNFIPPIVARYVRVPQTWHORIALKVELIGCOITQGNDS	420

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Qy 468 LWRKTSQSTSVSTKKEDETTIRIPSEETSTGINITTVAIPVLVLLVLFAGMGIPAAF 527
Db 421 LWRKTSQSTSVSTKKEDETTIRIPSEETSTGINITTVAIPVLVLLVLFAGMGIPAAF 480
Qy 528 RKKKKKSPYGSABAAQKDCWKQIKYPFARHQSNEFTISYDNEKEMTKQLDLITSDMA 585
Db 481 RKKKKKSPYGSABAAQKDCWKQIKYPFARHQSNEFTISYDNEKEMTKQLDLITSDMA 538

RESULT 5
US-09-759-130B-75
; Sequence 75, Application US/09759130B
; Publication No. US2003002279A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: McCarthy, Sean A
; APPLICANT: Fraser, Christopher C
; APPLICANT: Sharp, John D
; APPLICANT: Barnes, Thomas S
; APPLICANT: Kirst, Susan J
; APPLICANT: Mackay, Charles R
; APPLICANT: Myers, Paul S
; APPLICANT: Leiby, Kevin R
; APPLICANT: Wrighton, Nicolas
; APPLICANT: Goodearl, Andrew
; APPLICANT: Holtzman, Douglas A
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
; TITLE OF INVENTION: PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
; TITLE OF INVENTION: USES.
; FILE REFERENCE: MPI00-535OMNIM
; CURRENT APPLICATION NUMBER: US/09/759,130B
; CURRENT FILING DATE: 2002-09-16
; PRIOR APPLICATION NUMBER: US 09/479,249
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 09/559,497
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 09/578,063
; PRIOR FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: US 09/333,159
; PRIOR FILING DATE: 1999-06-14
; PRIOR APPLICATION NUMBER: US 09/596,194
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 09/342,364
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 09/608,452
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/393,996
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 09/602,871
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 09/420,707
; PRIOR FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 75
; LENGTH: 681
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-759-130B-75

Query Match 86.9%; Score 2652; DB 11; Length 681;
Best Local Similarity 100.0%; Pred. No. 5.3e-240;
Matches 504; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 82 BELGDCGHLVYQDSGMTSKNYPGTPNHTVCEKTIIVPKGRLLRLGLDLIESQTC 141
Db 1 BELGDCGHLVYQDSGMTSKNYPGTPNHTVCEKTIIVPKGRLLRLGLDLIESQTC 60

Qy 142 ASDVLLTSSSDQGPYCGSMVTVPKELLNTSEVTVPFSGSHISGRGFLITYASSDHPD 201
Db 61 ASDVLLTSSSDQGPYCGSMVTVPKELLNTSEVTVPFSGSHISGRGFLITYASSDHPD 120

Qy 202 LITCLERASHYLKTEYSKFCPAGCRDVAGDISGNMVDGYRDTSLCKAAIHAGIIADELG 261
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Db 121 LITCLERASHYLKTEYSKFCPAGCRDVAGDISGNMVDGYRDTSLCKAAIHAGIIADELG 180
Qy 262 GOISVLORXGIRYEGILANGVLSRDGSLDKRFLFTNSGCRSLSFEPDGOIRASSSQ 321
Db 181 GOISVLORXGIRYEGILANGVLSRDGSLDKRFLFTNSGCRSLSFEPDGOIRASSSQ 240
Qy 322 SYNESGDQVHSPGQARLODQGPSWASGDSNNHKPREWLEIDLGEKKKITGIRTTGSTQ 381
Db 241 SYNESGDQVHSPGQARLODQGPSWASGDSNNHKPREWLEIDLGEKKKITGIRTTGSTQ 300
Qy 382 SNPNFYVKSFMNFKNNKWKTYKGI VNNNEBKVFGNSNFRDPVONNFIPIVARYVRV 441
Db 301 SNPNFYVKSFMNFKNNKWKTYKGI VNNNEBKVFGNSNFRDPVONNFIPIVARYVRV 360
Qy 442 VPQTHORIALKVELIGCOITQGNDSLVRKTSQSTSVSTKKEDETTIRIPSEETSTGI 501
Db 361 VPQTHORIALKVELIGCOITQGNDSLVRKTSQSTSVSTKKEDETTIRIPSEETSTGI 420
Qy 502 NITTVAILPLVLLVLFAGMGIFAAFRKKKKGSPYGSABAAQKDCWKQIKYPFARHQA 561
Db 421 NITTVAILPLVLLVLFAGMGIFAAFRKKKKGSPYGSABAAQKDCWKQIKYPFARHQA 480
Qy 562 EFTISYDNEKEMTKQLDLITSDMA 585
Db 481 EFTISYDNEKEMTKQLDLITSDMA 504

RESULT 6
US-10-295-027-1301
; Sequence 1301, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1301
; LENGTH: 769
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-1301

Query Match      76.9%; Score 2346.5; DB 12; Length 769;
Best Local Similarity 78.7%; Pred. No. 3.4e-211;
Matches 466; Conservative 13; Mismatches 20; Indels 93; Gaps 6;

Qy 72 AVSAPRLQAEEL---GDGCGHLVTVQDSGTMSTKNYPGTYPNHTVCEKITVPKGRLLI 128
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 16 AVAAWILHQHDDIINKGDCGHLVTVQDSGTMSTKNYPGTYPNHTVCEKITVPKGRLLI 75
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 129 LRLGDLIESQTCASDYLLFTSSSDQY----- 155
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 76 LRLGDLIESQTCASDYLLFTSSSDQYCMQKEBTEVLCLSVACAGRVDPVQLLPFL 135
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 156 -----GPYCGSMTPVPELLANTSEVTVRFESGSHISGRGFLLYASSDHPDLITCL 206
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 136 GWKGHAARGPYCGSMTPVPELLANTSEVTVRFESGSHISGRGFLLYASSDHPDLITCL 195
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 207 ERASHYLKTEYSKFCPCAGCRDVAGDISGNMVDGYRDTSLCKAAIHAGIIADELGGQISV 266
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 196 ERASHYLKTEYSKFCPCAGCRDVAGDISGNMVDGYRDTSLCKAAIHAGIIADELGGQISV 255
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 267 LQKIGISRYEGILANGVLSRDGSLSDKRFLLTSNGCSRSLSPEDPGQIRASSSSWQSVNES 326
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 256 LQKIGISRYEGILANGVLSRDGSLSDKRFLLTSNGCSRSLSPEDPGQIRASSSSWQSVNES 315
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 327 GDQVHWSFGQARLQDQGPSWASGSSNNHKPREWLEIDLGEKKITGIRTTGTSQSNFNF 386
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 316 GDQVHWSFGQARLQDQGPSWASGSSNNHKPREWLEIDLGEKKITGIRTTGTSQSNFNF 375
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 387 YVKSFVMNFKNNSKWKTYKGI VVNEEKVFCGNSFRDPVQNNFIPPIVARYVRVQTW 446
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 376 YVKSFVMNFKNNSKWKTYKGI VVNEEKVFCGNSFRDPVQNNFIPPIVARYVRVQTW 435
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 447 HQRIALKVELIGCQITQGNDSLVRKTSQSTSVTKKEDETITRPIPEETSTGINITTV 506
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 436 HQRIALKVELIGCQITQGNDSLVRKTSQSTSVTKKEDETITRPIPEETSTGTD----- 489
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 507 AIPVLV-----LVLVFA-----GMGFAFAFRKKKK 533
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 490 AMPQIVGDHTQMTSQRENLPDSEKIPFKGTAEBSMVVRVFAVVNDLGLMFLAHTPEED 549
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 534 GSPYGSAAEQTKDCWKQIKYFARHQSAEFTISVDNEKEMTKLDLITSDMA 585
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 550 IDHY-----CWKQIKYFARHQSAEFTISVDNEKEMTKLDLITSDMA 592
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 7
US-09-759-130B-76
; Sequence 76, Application US/09759130B
; Publication No. US20030022279A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: McCarthy, Sean A
; APPLICANT: Fraser, Christopher C
; APPLICANT: Sharp, John D
; APPLICANT: Barnes, Thomas S
; APPLICANT: Kirt, Susan J
; APPLICANT: Mackay, Charles R
; APPLICANT: Myers, Paul S
; APPLICANT: Leiby, Kevin R
; APPLICANT: Wrighton, Nicolas
; APPLICANT: Goodearl, Andrew
; APPLICANT: Holtzman, Douglas A
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
; TITLE OF INVENTION: PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
; TITLE OF INVENTION: USES
; FILE REFERENCE: MF100-535OMNIM
; CURRENT APPLICATION NUMBER: US/09/759,130B
; CURRENT FILING DATE: 2002-09-16
; PRIOR APPLICATION NUMBER: US 09/479,249

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-1301

Query Match      73.0%; Score 2229; DB 11; Length 421;
Best Local Similarity 100.0%; Pred. No. 1.4e-200;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 82 EELGDCGCHLVTVQDSGTMSTKNYPGTYPNHTVCEKITVPKGRLLIRLGLDLIESQTC 141
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 142 ASDYLLFTSSSDQYGPYCGSMTPVPELLANTSEVTVRFESGSHISGRGFLLYASSDHPD 201
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 61 ASDYLLFTSSSDQYGPYCGSMTPVPELLANTSEVTVRFESGSHISGRGFLLYASSDHPD 120
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 202 LITCLERASHYLKTEYSKFCPCAGCRDVAGDISGNMVDGYRDTSLCKAAIHAGIIADEL 261
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 121 LITCLERASHYLKTEYSKFCPCAGCRDVAGDISGNMVDGYRDTSLCKAAIHAGIIADEL 180
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 262 GOISVLQKIGISRYEGILANGVLSRDGSLSDKRFLLTSNGCSRSLSPEDPGQIRASSSWQ 321
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 181 GOISVLQKIGISRYEGILANGVLSRDGSLSDKRFLLTSNGCSRSLSPEDPGQIRASSSWQ 240
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 322 SVNESGDQVHWSFGQARLQDQGPSWASGSSNNHKPREWLEIDLGEKKITGIRTTGTSQ 381
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 241 SVNESGDQVHWSFGQARLQDQGPSWASGSSNNHKPREWLEIDLGEKKITGIRTTGTSQ 300
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 382 SNFNFYVKSFVMNFKNNSKWKTYKGI VVNEEKVFCGNSFRDPVQNNFIPPIVARYVRV 441
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 301 SNFNFYVKSFVMNFKNNSKWKTYKGI VVNEEKVFCGNSFRDPVQNNFIPPIVARYVRV 360
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 442 VPQTHQRIALKVELIGCQITQGNDSLVRKTSQSTSVTKKEDETITRPIPEETSTGI 501
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 361 VPQTHQRIALKVELIGCQITQGNDSLVRKTSQSTSVTKKEDETITRPIPEETSTGI 420
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 502 N 502
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 421 N 421
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 8
US-10-003-132-4
; Sequence 4, Application US/10003132
; Publication No. US20020192750A1
; GENERAL INFORMATION:
; APPLICANT: Fox, Brian A.
; APPLICANT: Gao, Zeren
; APPLICANT: Shoemaker, Kimberly E.
; TITLE OF INVENTION: NEUROFILIN HOMOLOG ZCUB5
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; FILE REFERENCE: 00-62
; CURRENT APPLICATION NUMBER: US/10/003.132
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/249,004
; PRIOR FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 503
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-003-132-4

Query Match      42.9%; Score 1309.5; DB 14; Length 503;
Best Local Similarity 51.0%; Pred. No. 5.5e-114;
Matches 268; Conservative 26; Mismatches 32; Indels 199; Gaps 1;

Qy 61 AAGRGLLALLAVSAPLRQAELGDCGHLVTVQDSGTMTSKNYPGTYPNHVTCEKTIIT 120
Db 5 AGGPSVLALLFAVCAPLRQAELGDCGHLVTVQDSGTMTSKNYPGTYPNHVTCEKTIIT 64

Qy 121 VPKGKRLILRLGLDLDIESOTCASDYLLFTSSSDQYGPYCGSMTVPKELLINTSEVTVRFE 180
Db 65 VPKGKRLILRLGLDLDIESOTCASDYLLFTSSSDQYGPYCGSMTVPKELLINTSEVTVRFE 124

Qy 181 SGSHISGRGFLTYASSDHPDLITCLERASHYLKTEYSKFCPACGCRDVAGDISGNMVDGY 240
Db 125 SGSHISGRGFLTYASSDHPDLITCLERASHYLKTEYSKFCPACGCRDVAGDISGNMVDGY 184

Qy 241 RDTSLCKAAIHAGIITDELGGQISVLQKGISRYEGILANGVLSRDGSLDKRFLFTSN 300
Db 185 RDTSLCKAAIHAGIITDELGGHINLLQSKGISHYEGLLANGVLSRHGSLSEKRFLE--- 241

Qy 301 GCSRSLSFEPDQIRASSWSQVNESGDQVHWSFGQARLQDQGPSWASGDSNNHKEPREW 360
Db 242 ----- 241

Qy 361 LEIDLGEKKKITGIRTTGTSQSNFNFYKSPVMFNKNNNSKWKTYKGINVNEEKVFGNS 420
Db 242 ----- 241

Qy 421 NFRDPVQNNFPIPIVARYVRVPQTHQRIALKVELIGCQITQGNDSLWVRKTSQSTSUS 480
Db 242 ----- 241

Qy 481 TKKEDETITRIPSEETSTGINITVAIPVLVLLVLFAGMGIFAARFKKKKSPYGSA 540
Db 242 -----TPGNNITVAIPSVIFIALLLTGMGIFAICRKKKGNPYVSA 285

Qy 541 EAQKTCWKQIKYPPFARHOSAEFTISYDNEKEMTKLDLITSDMA 585
Db 286 DAQKTCWKQIKYPPFARHOSAEFTISYDNEKEMTKLDLITSDMA 330

RESULT 9
US-09-823-038A-51
; Sequence 51, Application US/09823038A
; Patent No. US20020058335A1
; GENERAL INFORMATION:
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Abernethy, Nevin
; APPLICANT: Onrust, Rene
; APPLICANT: Kumble, Anand
; APPLICANT: Murison, Greg
; TITLE OF INVENTION: Compositions Isolated From Stromal Cells
; FILE REFERENCE: 11000.1037c3
; CURRENT APPLICATION NUMBER: US/09/823,038A
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51

; FILE REFERENCE: 00-62
; CURRENT APPLICATION NUMBER: US/10/003.132
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/249,004
; PRIOR FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 503
; TYPE: PRT
; ORGANISM: Mouse
; US-09-823-038A-51

Query Match      42.6%; Score 1301.5; DB 9; Length 503;
Best Local Similarity 50.9%; Pred. No. 3.1e-113;
Matches 267; Conservative 26; Mismatches 33; Indels 199; Gaps 1;

Qy 61 AAGRGLLALLAVSAPLRQAELGDCGHLVTVQDSGTMTSKNYPGTYPNHVTCEKTIIT 120
Db 5 AGGPSVLALLFAVCAPLRQAELGDCGHLVTVQDSGTMTSKNYPGTYPNHVTCEKTIIT 64

Qy 121 VPKGKRLILRLGLDLDIESOTCASDYLLFTSSSDQYGPYCGSMTVPKELLINTSEVTVRFE 180
Db 65 VPKGKRLILRLGLDLDIESOTCASDYLLFTSSSDQYGPYCGSMTVPKELLINTSEVTVRFE 124

Qy 181 SGSHISGRGFLTYASSDHPDLITCLERASHYLKTEYSKFCPACGCRDVAGDISGNMVDGY 240
Db 125 SGSHISGRGFLTYASSDHPDLITCLERASHYLKTEYSKFCPACGCRDVAGDISGNMVDGY 184

Qy 241 RDTSLCKAAIHAGIITDELGGQISVLQKGISRYEGILANGVLSRDGSLDKRFLFTSN 300
Db 185 RDTSLCKAAIHAGIITDELGGHINLLQSKGISHYEGLLANGVLSRHGSLSEKRFLE--- 241

Qy 301 GCSRSLSFEPDQIRASSWSQVNESGDQVHWSFGQARLQDQGPSWASGDSNNHKEPREW 360
Db 242 ----- 241

Qy 361 LEIDLGEKKKITGIRTTGTSQSNFNFYKSPVMFNKNNNSKWKTYKGINVNEEKVFGNS 420
Db 242 ----- 241

Qy 421 NFRDPVQNNFPIPIVARYVRVPQTHQRIALKVELIGCQITQGNDSLWVRKTSQSTSUS 480
Db 242 ----- 241

Qy 481 TKKEDETITRIPSEETSTGINITVAIPVLVLLVLFAGMGIFAARFKKKKSPYGSA 540
Db 242 -----TPGNNITVAIPSVIFIALLLTGMGIFAICRKKKGNPYVSA 285

Qy 541 EAQKTCWKQIKYPPFARHOSAEFTISYDNEKEMTKLDLITSDMA 585
Db 286 DAQKTCWKQIKYPPFARHOSAEFTISYDNEKEMTKLDLITSDMA 330

RESULT 10
US-10-003-132-6
; Sequence 6, Application US/10003132
; Publication No. US20020192750A1
; GENERAL INFORMATION:
; APPLICANT: Fox, Brian A.
; APPLICANT: Gao, Zeren
; APPLICANT: Shoemaker, Kimberly E.
; TITLE OF INVENTION: NEUROFILIN HOMOLOG ZCUBS
; FILE REFERENCE: 00-62
; CURRENT APPLICATION NUMBER: US/10/003.132
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/249,004
; PRIOR FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-003-132-6

Query Match      35.2%; Score 1075; DB 14; Length 458;
Best Local Similarity 43.8%; Pred. No. 5.3e-92;
Matches 230; Conservative 23; Mismatches 28; Indels 244; Gaps 2;

Qy 61 AAGRGLLALLAVSAPLRQAELGDCGHLVTVQDSGTMTSKNYPGTYPNHVTCEKTIIT 120
```

Db 5 AGGSLVALLFAVCAPIRLQAELGDCGHVTSQDSGTWTSKNYPGTYPNYTCXKIIT 64
Qy 121 VPKGRILIRLGLDIDIESQTCASDYLLFTSSDOYGPYCGSMTVPKELLNTSEVTRPE 180
Db 65 VPKGRILIRLGLDINIESKTCASDYLLFSSATDQY-----99
Qy 181 SGSHISGRGFLITYASSDHPDLITCLERASHYLKTEYSKFCPACGRDVAGDISGNMVDGY 240
Db 100 -----DLITCLERGSHYFEKYKFCPACGRDIAGDISGNTKDY 139
Qy 241 RDTSLCKAAIHAGIIADELGGQISVLRKQISRYEGILANGVLSRDSLSKREFLFTSN 300
Db 140 RDTSLCKAAIHAGIITDELGGINLQSGKISHYEGILANGVLSRHGSLSEKRFLE---196
Qy 301 GCSRLSFEFDGQIRASSWSQVNESGQVHWSPOARLQDQGSWASGDSNNHKPREW 360
Db 197 -----196
Qy 361 LEIDLGKKKITGIRTTGTSQSNFNFYKSFVMNFKNNKWKTYKGI VNNEEKVFGNS 420
Db 197 -----196
Qy 421 NFRDPVQNNFIPPIVARYVRVPTWHQRIALKVELIGCOITQGNDSLVRKTSQTSVS 480
Db 197 -----196
Qy 481 TKKEDETITRIPSEETSGINITTVAIPLVLLVLFVAGMGIPAAFRKKKKXGSPYGSA 540
Db 197 -----TTPGWNITTVAIPIPSVIFIALLTGWIPIAICRKKRKNPYVSA 240
Qy 541 EAQKTCWKQIKYPPFARHQAFTISYDNKEMTKQLDLITSDMA 585
Db 241 DAQKTCWKQIKYPPFARHQAFTISYDNKEMTKQLDLITSDMA 285

RESULT 11

US-10-191-436-8
; Sequence 8, Application US/10191436
; Publication No. US20030129697A1
; GENERAL INFORMATION:
; APPLICANT: Tasuku Honjo
; APPLICANT: Kazuhiro Kobuke
; TITLE OF INVENTION: A NOVEL POLYPEPTIDE ESDN, POLYNUCLEOTIDES ENCODING THE POLYPEPTIDE
; FILE REFERENCE: ONF3204US
; CURRENT FILING DATE: 2002-07-10
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 8
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Rattus rattus
US-10-191-436-8

Query Match 30.9%; Score 942; DB 16; Length 769;
Best Local Similarity 37.5%; Pred. No. 3.9e-79;
Matches 230; Conservative 96; Mismatches 204; Indels 84; Gaps 19;

Qy 44 PSGVMVPGARGGGALAAAA-----GRG-----LLALLAVSAPRLQAELGDCG 89
Db 16 PGGRAAPAATGRAPLSAGWCPLPPGGRNSSRRPRLLLLLLLLPDA-----GAQKGDGCG 70
Qy 90 HLYTQDSGTWTSKNYPGTYPNHTVCEKTIIVPKGRILIRLGLDIE-SQTCASDYLL-L 147
Db 71 HTVLGPESGLTISINPHYTPNSTVCEWEIRVIRKFGDFDIEDSDYCHNLVYKI 130
Qy 148 FTS---SSDOGYPCG-SMTVPKELLNTSEVTRFESGSHISGRGFLITYASSDHPDLI 203
Db 131 FNGIGVSRTEIGKYCGLGLQMNQSIKSGSEITVLFMSGHASGRGLFASYSVIDKODLI 190

Qy 204 TCLERASHYLKTEYSKFCPACGRDVAGDISGNMVDGYRDTSLCKAAIHAGIIADELGGQ 263
Db 191 TCLDTVSNFLEPEFSKYCPAGCLLPFAEISGTIPHGVRDSSPLCMAGIHAGVSDVLGGQ 250
Qy 264 ISVLQRKQISRYEGILANGVLSRDSLSKREFLFTSNCGSRSLSE-----PDQIRASS 319
Db 251 ISVVISKGTPTYBSSLANNVTSVMGYLSLFTFKTSGCYTILGMEGVIADPQITASSV 310
Qy 320 WQSVNESGDQVHWSPOARLQDQGSWASGDSNNHKPREWLEIDLCEKKKITGIRTTGS 379
Db 311 LEWTDHMGQENSKWPEKARLKPGPPWAA--FATDEH---QWLQIDLNKEKITGIVTTGS 366
Qy 380 TQSNFNFYKSFVMNFKNNKWKTYKGI VNNEEKVFGNSNFRDPVQNNFIPPIVARYV 439
Db 367 TLIENHYVYSAYRVLSDDGQKWTVYREPCAAQDKIFQGNKYVHKDVRNNFLPIIARFI 426
Qy 440 RVVPQTHQRIALKVELIGCOIT-----QGNDSLVRKTSQTSVSTYKED 485
Db 427 RVNPVQWQKIAMKVELLGCQFTLKGRLPKLTOPPPRNSNNL--KNTTVHPKLGRAPKF 484
Qy 486 ETITRP-----IPSEETST-GINITT-----VAIPLVLLVLFVAGMGIPAA- 527
Db 485 TQALQPRSRNDLPLLPQAQTATPDVKNVTPSVTKDVALAAVLVPLVWALTLILILV 544
Qy 528 -----RKKKKXGSPYSAEAQKTCWKQIK--YPPFARHQAFTISYDNE-----K 571
Db 545 CAWHNRNKKKABGT-YDLPHWDRAWKGKVKQLLPAKSVEHEETPRYSNSEVSHLSPR 603
Qy 572 EMTQKLDLITSDMA 585
Db 604 EVTTVLQADSAEYA 617

RESULT 12

US-10-191-436-5
; Sequence 5, Application US/10191436
; Publication No. US20030129697A1
; GENERAL INFORMATION:
; APPLICANT: Tasuku Honjo
; APPLICANT: Kei Tashiro
; APPLICANT: Kazuhiro Kobuke
; TITLE OF INVENTION: A NOVEL POLYPEPTIDE ESDN, POLYNUCLEOTIDES ENCODING THE POLYPEPTIDE
; FILE REFERENCE: ONF3204US
; CURRENT FILING DATE: 2002-07-10
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 5
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-191-436-5

Query Match 30.7%; Score 937; DB 16; Length 769;
Best Local Similarity 37.2%; Pred. No. 1.2e-78;
Matches 229; Conservative 100; Mismatches 200; Indels 86; Gaps 17;

Qy 44 PSGVMVPGARGGGALAAAA-----GRG-----LLALLAVSAPRLQAELGDCGHL 91
Db 16 PGGAAPAATGRAALPFSAGCCPLPPGGRNSSRRPRLLLLLLL---LQDAGGQGGCGHT 72
Qy 92 VTYQDSGTWTSKNYPGTYPNHTVCEKTIIVPKGRILIRLGLDIE-SQTCASDYLL-L 149
Db 73 VLGPESGLTISINPHYTPNSTVCEWEIRVIRKFGDFDIEDSDYCHNLVYKI 132
Qy 150 S---SSDOGYPCG-SMTVPKELLNTSEVTRFESGSHISGRGFLITYASSDHPDLITC 205
Db 133 GIGVSRTEIGKYCGLGLQMNQSIKSGSEITVLFMSGHASGRGLFASYSVIDKEDIIC 192
Qy 206 LERASHYLKTEYSKFCPACGRDVAGDISGNMVDGYRDTSLCKAAIHAGIIADELGGQIS 265
Db 193 LDTVSNFLEPEFSKYCPAGCLLPFAEISGTIPHGVRDSSPLCMAGIHAGVSDVLGGQIS 252

Qy 181 SSGHISGRGFLTYASSDHPDLITCLERASHYLKTEYSKFCPCAGCRDVAGDISGNMVDGY 240
Db 125 SGIHVSGRGLASYVIDKQDLITCLDTASNFLSEPKSKYCPAGCLLPFAEISGTIPHG 184
Qy 241 RDTSLCKAAAHAGIIADELGGQISVLQKIGISYEGILANGVLSRGSLSDKRPLETSN 300
Db 185 RDSPLCWAGHAGVSVNTLGGQISVLSKIGIPYESSLANNTSVVGHLSLSTLFTKTS 244
Qy 301 GCSRLSFE----PDGQIRASSSSQSVNESGDQVHWSGQARLQDQGPSWASGDSNNHK 356
Db 245 GCYTLGWSGVADPQITASSVLEWTDHTQENSWKPKARLKKPGPPWAFATDE--- 301
Qy 357 PREWLEIDLGKKKITGITRTGTSQSNFNVYKSFVNMFKNNKWKTYKGINNEKVF 416
Db 302 -YWLQIDLKNEKKITGITRTGTSQSNFNVYKSFVNMFKNNKWKTYKGINNEKVF 360
Qy 417 QGNSNFRDPVONNFIPIVARYVVPQTHORIALKVELIGCO-----ITO--- 463
Db 361 QGNKDYHQDVNNFLPPIIAKFIKVNPTQWQKIAMKVELIGCOFIPKGRPPKITQPPPP 420
Qy 464 --GNDLSVWRKTSOSTSVSTKKEDETTIRPI-----PSEET--STGINITT--- 505
Db 421 RNSND----LKNVTAPPKIAKGRAPKFTQLOPRSSNEFFPAQTEQTASPDIRNITTPN 476
Qy 506 ----VAIPLVLLVVLVFPAGMGIFAAP-----RKKKKKS---PYGSAEAQKTDCKWQ 550
Db 477 VTKDVALAAVLVPLVVMVLTLLILVCAMHWRNKKKTEGTYDLPYV----DRAGWK 532
Qy 551 IKYFF-----ARHQSAETISYDNEKENTQKLDLITSMA 585
Db 533 MKQFLPAKAVDHEETPVRYSSSE--VNHLSPREVTTLQADSAEA 576

RESULT 15

US-10-094-749-2500
; Sequence 2500, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094, 749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2500
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2500

Query Match 29.7%; Score 906; DB 12; Length 554;
Best Local Similarity 39.2%; Pred. No. 5.6e-76;
Matches 208; Conservative 89; Mismatches 177; Indels 56; Gaps 12;
Qy 36 EAEAKLAPSGVMVPGARGGGALARAAGRL---LALLAVSAPRLQAEELGCGCGHLY 92
Db 17 QVRAAAAAPAAALPLRSRSLPPPCNSSSFSMPULFLLLLLVLLLELDAGAQGGCGCHTV 76
Qy 93 TYQDSGTMTSKNYPGTYPNHTVCEKTTITVPKRLILRLGLDIE-SQTCASDYLLFTS- 150
Db 77 LGPESGLTISNYPQTPYNSVTCEWEVRVMKGEVRVKFGDFDIEDSDSCHFNVLRYNG 136
Qy 151 ---SSDQGYCYG-SMTVPKELLLNTSEVTVRFESGSHISGRGFLLYASSDHPDLITCL 206
Db 137 IGVSRTEIGKYCYGLQMNHSIESKNEITLLFMSGITHVSGRGFLASYSVIDKQDLITCL 196
Qy 207 ERASHYLKTEYSKFCPCAGCRDVAGDISGNMVDGYRDTSLCKAAHAGIIADELGGQISV 266
Db 197 DTASNFLSEPKSKYCPAGCLLPFAEISGTIPHGVRDSSPLCMAGVHAGVSVNTLGGQISV 256
Qy 267 LQRKGISRYEGILANGVLSRGSLSDKRFLFTSNGCSRSLSFE----PDGQIRASSSSQWS 322
Db 257 VISKGIPYESSLANNTSVVGHLSLSTLFTFKTSGCYTLGWSGVADPQITASSVLEW 316
Qy 323 VNESGDQVHWSGQARLQDQGPSWASGDSNNHKPREWLEIDLGKKKITGITRTGTSQTS 382
Db 317 TDHTGQENSWKPKARLKKPGPPWAFATDE---YQWLQIDLKNEKKITGITRTGSTMV 372
Qy 383 NFNFYVKSFMNFKNNKWKTYKGINNEEKVPOGNSNFRDPVONNFIPIVARYVRV 442
Db 373 EHNYYVSAYRILCDDGQKWTYREPGVEQDKIFQGNKDYHQDVNNFLPPIIAKFIKVN 432
Qy 443 POTWHORIALKVELIGCO-----ITO-----GNDLSVWRKTSOSTSVSTKKEDET 487
Db 433 PTQWQKIAMKVELIGCOFIPKGRPPKITQPPPRNSND----LKNVTAPPKIAKGRAPK 488
Qy 488 ITRPI-----PSEET--STGINITT-----VAIPLVLLVVLV 517
Db 489 FTQLOPRSSNEFFPAQTEQTASPDIRNITTPNVTKDVALAAVLVPLV 538

Search completed: December 29, 2003, 14:30:48
Job time : 646 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: December 29, 2003, 14:19:12 ; Search time 21 Seconds
(without alignments)
1180.674 Million cell updated

Title: US-09-691-344A-4

Perfect score: 3052
Sequence: 1 MGFGAGORLRPVAPRSSAE.....YDNEKEMTKLDLITSDMAG 586

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*

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2: /cgm2_6/ptodata/1/iaa/5B_COMB.pcp.*
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5: /cgm2_6/ptodata/1/iaa/PTUS_COMB.pcp.*
6: /cgm2_6/ptodata/1/iaa/backfiles1.pcp.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	349.5	11.5	925	4	US-09-116-473-2
2	349	11.4	909	3	US-08-936-135-18
3	349	11.4	926	3	US-08-936-135-20
4	343.5	11.3	901	3	US-08-936-135-22
5	343.5	11.3	906	3	US-08-936-135-24
6	343.5	11.3	909	3	US-08-936-135-8
7	343.5	11.3	909	3	US-08-936-135-10
8	343.5	11.3	914	3	US-08-936-135-12
9	343.5	11.3	926	3	US-08-936-135-14
10	343.5	11.3	931	3	US-08-936-135-16
11	331	10.8	922	4	US-09-116-473-4
12	329	10.8	923	3	US-08-936-135-6
13	321	10.5	218	1	US-07-607-538C-4
14	321	10.5	218	2	US-08-162-402B-4
15	318	10.4	2183	3	US-08-746-111-5
16	311	10.2	160	2	US-08-162-402B-14
17	306.5	10.0	2343	3	US-09-324-867-2
18	299	9.8	217	1	US-07-607-538C-3
19	299	9.8	217	2	US-08-162-402B-3
20	299	9.8	218	1	US-07-607-538C-2
21	299	9.8	218	2	US-08-162-402B-2
22	299	9.8	387	2	US-08-162-402B-6
23	299	9.8	465	2	US-08-162-402B-8
24	293	9.6	159	2	US-08-162-402B-12
25	289.5	9.5	2351	6	5422260-1
26	285.5	9.4	1438	4	US-09-209-916-1
27	285.5	9.4	1471	1	US-08-683-839B-3
					Patent No. 5422260
					Sequence 2, Appli
					Sequence 18, Appl
					Sequence 20, Appl
					Sequence 22, Appl
					Sequence 24, Appl
					Sequence 8, Appli
					Sequence 10, Appl
					Sequence 12, Appl
					Sequence 14, Appl
					Sequence 16, Appl
					Sequence 4, Appli
					Sequence 6, Appli
					Sequence 4, Appli
					Sequence 5, Appli
					Sequence 14, Appl
					Sequence 2, Appli
					Sequence 3, Appli
					Sequence 2, Appli
					Sequence 2, Appli
					Sequence 6, Appli
					Sequence 8, Appli
					Sequence 12, Appl
					Patent No. 5422260
					Sequence 1, Appli
					Sequence 3, Appli

Qy

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Db 28 CGRLNSKAGYITSPGYQDYPSHQNCWVYVAPENQKIVLNFNPHFEIEKHDKCKYDF 87
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Db 88 IEIRDGSESADLLGKHCGNI-APPTIISSGSVLYIKFTSDYARQAGFSLRVEIFKTS 146
Qy 197 SD-----HPDLITC-----LERASHYLKTEYSKF----- 220
Db 147 EDCSKNFTSPNGTIESPGPEKYPHNLDCTFTILAKPRMEIILQFLTFDLEHDPLOVGE 206
Qy 221 -CPAGCRDVAGDIS--GNMVDGYRDTSLCKAAIHAGIADLGGQISVLQRKISRYEG 277
Db 207 DCKYDWDLDIWDGPHVGLPGYKCGTKPSELASSTGILSLTPTMDMAV-----DG 259
Qy 301 DGRWTPQSRHLGDDNGWTPNVDN-----KEYLQVLDLRLTMTLTAIATQGAISRETQKY 356
Qy 387 YVKSVMFNKNNKWKTYKGIIVNNEEKVFGNSNFRDPVQNNFIPPIVARYVRVVDQW 446
Db 357 YVKSYLEVSTNGEDMVMYRHGKNH--KVFOANNDATELVNKLHPLTFRIRPOTW 419
Qy 447 HORIALKVELIGCOITQGNDSLVWRKTS---QSTSVSTKXEDETITRP 491
Db 415 HLGLIALRLFLGCRVTDAPCSNMLGMLSLGLIADTQISASSTREYLWSP 462

RESULT 2

US-08-936-135-18
; Sequence 18, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,135
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC97-288-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 909 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-936-135-18

Query Match 11.4%; Score 349; DB 3; Length 909;
Best Local Similarity 25.3%; Pred. No. 1.4e-23;
Matches 109; Conservative 72; Mismatches 166; Indels 84; Gaps 16;
Qy 88 CGHLVTYQDSGWTSKNYGTYPNHTVCEKTYTPVK-GRRLILRLG-DLDIESQTCASDY 145
Db 28 CGRLNSKAGYITSPGYQDYPSHQNCWVYVAPENQKIVLNFNPHFEIEKHDKCKYDF 87
Qy 146 LLF-----TSSSDQGYPCGSMTPVKELLNTSEVTVRFESGSHISGRGFLTY-----AS 196
Db 88 IEIRDGSESADLLGKHCGNI-APPTIISSGSVLYIKFTSDYARQAGFSLRVEIFKTS 146
Qy 197 SD-----HPDLITC-----LERASHYLKTEYSKF----- 220
Db 147 EDCSKNFTSPNGTIESPGPEKYPHNLDCTFTILAKPRMEIILQFLTFDLEHDPLOVGE 206
Qy 221 -CPAGCRDVAGDIS--GNMVDGYRDTSLCKAAIHAGIADLGGQISVLQRKISRYEG 277
Db 207 DCKYDWDLDIWDGPHVGLPGYKCGTKPSELASSTGILSLTPTMDMAV-----DG 259
Qy 278 ILANGVLSRDGSLDKRFLFTSNGCSRSLSFE---PDQIRASSSWQSVNESGDQVHWS 333
Db 260 FSARYLVHQEPLNFQ-----CNVPLMESGRITANEOISASTY-----SDGRWT 305
Qy 334 PGQARLDQDQSPWASGDSNNHKKPREWLEIDLGEKKKITGRTTG--STQSNFNFYVKSF 391
Db 306 PQQSRHLGDDNGWTPNLDN-----KEYLQVLDLRLTMTLTAIATQGAISRETQNGYVKS 361
Qy 392 VMFNKNNKWKTYKGIIVNNEEKVFGNSNFRDPVQNNFIPPIVARYVRVVDQW 451
Db 362 KLEVSTNGEDMVMYRHGKNH--KVFOANNDATELVNKLHPLTFRIRPOTW 419
Qy 452 LKVELIGCOIT 462
Db 420 LRUELFGRV 430

RESULT 3

US-08-936-135-20
; Sequence 20, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,135
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC97-288-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 926 amino acids

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;
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-936-135-20

Query Match      11.4%; Score 349; DB 3; Length 926;
Best Local Similarity 25.3%; Pred. No. 1.4e-23;
Matches 109; Conservative 72; Mismatches 166; Indels 84; Gaps 16;

Qy 88 CGHLVTVQDSGTMKSNYPGTYPHNHTVCEKTIITVPK-GKRLILRLG-DLDIESQTCASDY 145
Db 28 CGRLNSKAGYITSPGYPODYPSHQNCENVIVAPEPNQKIVLNFNPHFEIEKHCKYDF 87
Qy 146 LLF-----TSSSDQGYPCGSMTPVKELLANTSEVTVRFESGSHISGRGFLITY-----AS 196
Db 88 IEIRDGDSADLLGKHCGNI-APPTIISSGSMLYIKFTSDYARQAGFSLRVEIFKTGS 146
Qy 197 SD-----HPDLITC-----LERASHYLKTEYSKP----- 220
Db 147 EDCSKNFTSPNGTIESPGPEKYPHNLDCTFTILAKPKMEIILQFLIFDLEHDPLOVGE 206
Qy 221 -CPAGCRDVAGDIS--GNMVDGYRDTSLCKAAIHAGIADLGGQISVLQKGISRYEG 277
Db 207 DCKYDWDLDWDGPHVGLIGKYCGTKPTSELRSSTGLSLTFTHTDMAVAK-----DG 259
Qy 278 ILANGVLSRDGSLDKRFLFTSNGCSRSLSGFE-----PDGQIRASSSQSVNESGDQVHWS 333
Db 260 FSARYYLHVOEPLNFQ-----CNVPLGMSGRIANEQISASTV-----SDGRWT 305
Qy 334 PQGARLQDQGPSWASGDSNNHKPREWLEIDLGEKKKITGIRTTG--STOSNFNFYVKS 391
Db 306 PQQSRLHGGDNGWTPNLDN-----KEYLQVDLRLTMTLTAITATQGAISRETQNGYVKS 361
Qy 392 VMKFKNNNSKWKTKYGINNEEKVQGNNSFRDPVQNNFPIPVARYVRVVPQTHORIA 451
Db 362 KLEVSTNGEDMMVYRHGKNH--KVFOANNDATEVVLNKLHAPLTLTRFVRIRPOTMHS 419
Qy 452 LKVELIGCOIT 462
Db 420 LRLELFCRV 430

RESULT 4
US-08-936-135-22
; Sequence 22, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,135
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36, 627
; REFERENCE/DOCKET NUMBER: UC97-288-2

;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 901 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-936-135-22

Query Match      11.3%; Score 343.5; DB 3; Length 901;
Best Local Similarity 23.2%; Pred. No. 4.4e-23;
Matches 111; Conservative 72; Mismatches 177; Indels 119; Gaps 15;

Qy 88 CGHLVTVQDSGTMKSNYPGTYPHNHTVCEKTIITVPK-GKRLILRLG-DLDIESQTCASDY 145
Db 28 CGRPNKAGYITSPGYPODYPSHQNCENVIVAPEPNQKIVLNFNPHFEIEKHCKYDF 87
Qy 146 LLF-----TSSSDQGYPCGSMTPVKELLANTSEVTVRFESGSHISGRGFLITY-----AS 196
Db 88 IEIRDGDSADLLGKHCGNI-APPTIISSGSMVLYIKFTSDYARQAGFSLRVEIFKTGS 146
Qy 197 SD-----HPDLITC-----LERASHYLKTEYSKP----- 220
Db 147 EDCSKNFTSPNGTIESPGPEKYPHNLDCTFTILAKPKMEIILQFLTFLDLEHDPLOVGE 206
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Db 207 DCKYDWDLDWDGPHVGLIGKYCGTKPTSELRSSTGLSLTFTHTDMAVAKDGFSA 266
Qy 276 -----EGILANGVLSRDGSLDKRFLFTSNGCSRSLSFEPDQGI 317
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Db 304 -----WTPQQSRLHGGDNGWTPNLDN-----KEYLQVDLRLTMTLTAITATQ 345
Qy 378 G--STOSNFNFYVKSFMKFKNNNSKWKTKYGINNEEKVQGNNSFRDPVQNNFPIPV 435
Db 346 GAISRETQNGYVKSYLEVSTNGEDMMVYRHGKNH--KIFOANNDATEVVLNKLHAPL 403
Qy 436 ARYVRVVPQTHORIAKVELIGCOITQGNDSLVWRKTS---QSTSVSTKKEDETTIRP 491
Db 404 TRFIRPQTHLGLIALRLLELFCRVTDAPCSNMLGSLGIADTQISASSTREYLMSP 462

RESULT 5
US-08-936-135-24
; Sequence 24, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,135
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;
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC97-288-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 906 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-936-135-24

Query Match 11.3%; Score 343.5; DB 3; Length 906;
Best Local Similarity 23.2%; Pred. No. 4.5e-23;
Matches 111; Conservative 72; Mismatches 177; Indels 119; Gaps 15;

Qy 88 CGHLVTYQDSGWTSKNYPGTYPNHTVCETIIVPK-GKRLILRLG-DLDIESQTCASY 145
Db 28 CGGRPNKSDAGYITSPGYQDPYSHQNCWEIVYAPEPNQKIVLNFNPFIEKHDKCYDF 87
Qy 146 LLF-----TSSSDQYGPYCGSMVTPKELLNTSEVTVRFESGSHISGRGFLTY-----AS 196
Db 88 IEIRDGSESADLLGKHCGNI-APPTIISSGSVLYIKFTSDYARQAGFSLRYEIKFTGS 146
Qy 197 SD-----HPDLITC-----LERASHYLKTEYSKF----- 220
Db 147 EDCSKNFTSPNGTIESPGFPEKYPHNLDCTFTILAKPRMEIILQFLTFDLEHDPLOVQEG 206
Qy 221 -CPAGCRDVAGDIS--GNMVDGYRDTSLCKAAIHAGIIADELGGQISVLQRKISRY-- 275
Db 207 DCKYDMLDIWDGIPHVGLIKGYCGTKPSKLSRSTGILSLTFHTDMAVAKDGFSAARYL 266
Qy 276 -----EGILANGVLSRDGSLSDKRFLLTSNGCSRLSFPEDGOIRAS 317
Db 267 IHQEPPEFQCNVPLGMESGRIANEQISASTFSDGR----- 303
Qy 318 SSMQSVNESGDQVHWSFGQARLQDQGPWSWASGDSNNHNPREWLEIDLGEKKKITGIRTT 377
Db 304 -----WTPQSRHLHGDDNGWTPNLDN---KEYLQVDLRLFTLMTALTAIQ 345
Qy 378 G--STQSNFNFYKSFVMNFKNNSKWTKYKGIIVNNEEKVFGNSNFRDPVQNNFPPIV 435
Db 346 GAISRETQKGYVYKSKLEVSTNGEDWMVYRHGKNH--KIFQANNDATEVVLNKLHMPLL 403
Qy 436 ARYVRVVPQTHORIALKVELIGCOITQGNDSLVRKTS---QSTSVSTKKEDETTIRP 491
Db 404 TRFIRIRPQTHLGIARLELFGCRVTDAPCSNMLGMLSLGIADTQISASSTREYLWSP 462

RESULT 6
US-08-936-135-8
; Sequence 8, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:

;
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC97-288-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 906 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-936-135-24

Query Match 11.3%; Score 343.5; DB 3; Length 906;
Best Local Similarity 23.2%; Pred. No. 4.5e-23;
Matches 111; Conservative 72; Mismatches 177; Indels 119; Gaps 15;

Qy 88 CGHLVTYQDSGWTSKNYPGTYPNHTVCETIIVPK-GKRLILRLG-DLDIESQTCASY 145
Db 28 CGGRPNKSDAGYITSPGYQDPYSHQNCWEIVYAPEPNQKIVLNFNPFIEKHDKCYDF 87
Qy 146 LLF-----TSSSDQYGPYCGSMVTPKELLNTSEVTVRFESGSHISGRGFLTY-----AS 196
Db 88 IEIRDGSESADLLGKHCGNI-APPTIISSGSVLYIKFTSDYARQAGFSLRYEIKFTGS 146
Qy 197 SD-----HPDLITC-----LERASHYLKTEYSKF----- 220
Db 147 EDCSKNFTSPNGTIESPGFPEKYPHNLDCTFTILAKPRMEIILQFLTFDLEHDPLOVQEG 206
Qy 221 -CPAGCRDVAGDIS--GNMVDGYRDTSLCKAAIHAGIIADELGGQISVLQRKISRY-- 275
Db 207 DCKYDMLDIWDGIPHVGLIKGYCGTKPSKLSRSTGILSLTFHTDMAVAKDGFSAARYL 266
Qy 276 -----EGILANGVLSRDGSLSDKRFLLTSNGCSRLSFPEDGOIRAS 317
Db 267 IHQEPPEFQCNVPLGMESGRIANEQISASTFSDGR----- 303
Qy 318 SSMQSVNESGDQVHWSFGQARLQDQGPWSWASGDSNNHNPREWLEIDLGEKKKITGIRTT 377
Db 304 -----WTPQSRHLHGDDNGWTPNLDN---KEYLQVDLRLFTLMTALTAIQ 345
Qy 378 G--STQSNFNFYKSFVMNFKNNSKWTKYKGIIVNNEEKVFGNSNFRDPVQNNFPPIV 435
Db 346 GAISRETQKGYVYKSKLEVSTNGEDWMVYRHGKNH--KIFQANNDATEVVLNKLHMPLL 403
Qy 436 ARYVRVVPQTHORIALKVELIGCOITQGNDSLVRKTS---QSTSVSTKKEDETTIRP 491
Db 404 TRFIRIRPQTHLGIARLELFGCRVTDAPCSNMLGMLSLGIADTQISASSTREYLWSP 462

RESULT 7
US-08-936-135-10
; Sequence 10, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
```

STREET: 75 DENISE DRIVE
 CITY: HILLSBOROUGH
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94010
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/936,135
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: OSMAN, RICHARD A
 REGISTRATION NUMBER: 36,627
 REFERENCE/DOCKET NUMBER: UC97-288-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 343-4341
 TELEFAX: (650) 343-4342
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 909 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-936-135-10

Query Match 11.3%; Score 343.5; DB 3; Length 909;
 Best Local Similarity 23.2%; Pred. No. 4.5e-23;
 Matches 111; Conservative 72; Mismatches 177; Indels 119; Gaps 15;
 QY 88 CGHLVTYQDSGWTSMKNGYPCGYPHNTVCEKTIIVPK-GKRLILRLG-DLIDESQTCASDY 145
 DB 28 CGRPNKSDAGYITSPGYPDYPSHQNCWEIVYAPENQKIVLNFNPHFEIEKHCKYDF 87
 QY 146 LLF-----TSSSDQYGPVCGSMVTVPKELLNTSEVTVRFESGSHISGRGFLTY-----AS 196
 DB 88 IEIRDGSESADLLGKHGNI-APPTIISSGSVLYIKFTSDYARQAGFSLRIFPKTGS 146
 QY 197 SD-----HPDLITC-----LERASHYLKTEYSKF----- 220
 DB 147 EDCSKNFTSPNGTIESPGPEKYPHNLDCFTTILAKPRMEIILQFLTFDLEHDPQVGE 206
 QY 221 -CPAGCEDVAGDIS--GNMVDGYRDTSLCKAAIHAGIIADELGGQISVLQKGISRY-- 275
 DB 207 DCKYDWDLDIWDGIPHVGLIGKYGCTKTPSKLSRSTGILSLFTHTDMAVAKDGFSAHYL 266
 QY 276 -----EGILANGVLSRDGSLSDKRFLLFTSNGCSRSLSPEDPDQIRAS 317
 DB 267 IHQEPENFCNVPLMGESGRIANEQISASTFSDGR----- 303
 QY 318 SSWQSVNESGDQVHWSFGQARLQDQGPSWASGDSNNHKKPREWLEIDLGEKKKITGIRTT 377
 DB 304 -----WTPQQRSLHGGDNGWTPLNDSN-----KEYLQVDLRLFTLMLTAIATQ 345
 QY 378 G--STQSNFNFYKSFVMNFKNNKWKTKYKGIIVNNEEKVFGNSNFRDPVQNNFPIPIV 435
 DB 346 GAISRETQKGYVYKSKLEVSTNGEDWMVYRHGKNH--KIFQANNDATEVVLNKLHMPLL 403
 QY 436 ARYVRVVPQTHQRIALVELIGCQITQGNDSLVRKTS---QSTSVSTKKEDETIIRP 491
 DB 404 TRFIRIPQTHLGIARLRLFGCRVTDAPCSNMLGMLSLGIADTQISASSTREYLWSP 462

RESULT 8

US-08-936-135-12
 Sequence 12, Application US/08936135
 Patent No. 6054293
 GENERAL INFORMATION:
 APPLICANT: Tessier-Lavigne, Marc

APPLICANT: He, Zhigang
 APPLICANT: Chen, Hang
 TITLE OF INVENTION: Semaphorin Receptors
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
 STREET: 75 DENISE DRIVE
 CITY: HILLSBOROUGH
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94010
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/936,135
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: OSMAN, RICHARD A
 REGISTRATION NUMBER: 36,627
 REFERENCE/DOCKET NUMBER: UC97-288-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 343-4341
 TELEFAX: (650) 343-4342
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 914 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-936-135-12

Query Match 11.3%; Score 343.5; DB 3; Length 914;
 Best Local Similarity 23.2%; Pred. No. 4.5e-23;
 Matches 111; Conservative 72; Mismatches 177; Indels 119; Gaps 15;
 QY 88 CGHLVTYQDSGWTSMKNGYPCGYPHNTVCEKTIIVPK-GKRLILRLG-DLIDESQTCASDY 145
 DB 28 CGRPNKSDAGYITSPGYPDYPSHQNCWEIVYAPENQKIVLNFNPHFEIEKHCKYDF 87
 QY 146 LLF-----TSSSDQYGPVCGSMVTVPKELLNTSEVTVRFESGSHISGRGFLTY-----AS 196
 DB 88 IEIRDGSESADLLGKHGNI-APPTIISSGSVLYIKFTSDYARQAGFSLRIFPKTGS 146
 QY 197 SD-----HPDLITC-----LERASHYLKTEYSKF----- 220
 DB 147 EDCSKNFTSPNGTIESPGPEKYPHNLDCFTTILAKPRMEIILQFLTFDLEHDPQVGE 206
 QY 221 -CPAGCEDVAGDIS--GNMVDGYRDTSLCKAAIHAGIIADELGGQISVLQKGISRY-- 275
 DB 207 DCKYDWDLDIWDGIPHVGLIGKYGCTKTPSKLSRSTGILSLFTHTDMAVAKDGFSAHYL 266
 QY 276 -----EGILANGVLSRDGSLSDKRFLLFTSNGCSRSLSPEDPDQIRAS 317
 DB 267 IHQEPENFCNVPLMGESGRIANEQISASTFSDGR----- 303
 QY 318 SSWQSVNESGDQVHWSFGQARLQDQGPSWASGDSNNHKKPREWLEIDLGEKKKITGIRTT 377
 DB 304 -----WTPQQRSLHGGDNGWTPLNDSN-----KEYLQVDLRLFTLMLTAIATQ 345
 QY 378 G--STQSNFNFYKSFVMNFKNNKWKTKYKGIIVNNEEKVFGNSNFRDPVQNNFPIPIV 435
 DB 346 GAISRETQKGYVYKSKLEVSTNGEDWMVYRHGKNH--KIFQANNDATEVVLNKLHMPLL 403
 QY 436 ARYVRVVPQTHQRIALVELIGCQITQGNDSLVRKTS---QSTSVSTKKEDETIIRP 491
 DB 404 TRFIRIPQTHLGIARLRLFGCRVTDAPCSNMLGMLSLGIADTQISASSTREYLWSP 462

RESULT, T 9

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US-08-936-135-14
; Sequence 14, Application US/08936135
; Patent No. 6054293
;
; GENERAL INFORMATION:
;
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
;
; TITLE OF INVENTION: Semaphorin Receptors
;
; NUMBER OF SEQUENCES: 26
;
; CORRESPONDENCE ADDRESS:
;
; ADDRESS: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; SOFTWARE: PatentIn Release #1.0, Version
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/936,135
; FILING DATE:
;
; CLASSIFICATION: 435
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: OSMAN, RICHARD A
;
; REGISTRATION NUMBER: 36,627
;
; REFERENCE/DOCKET NUMBER: UC97-288-2
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (650) 343-4341
;
; TELEFAX: (650) 343-4342
;
; INFORMATION FOR SEQ ID NO: 14:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 926 amino acids
;
; TYPE: amino acid
;
; STRANDEDNESS: single
;
; TOPOLOGY: linear
;
; MOLECULE TYPE: peptide
;
; US-08-936-135-14

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Qy 436 ARVRVVPQWQHORIAKVELICQITQGNDSLVRKTS---OSTSVSTKKEDETTRP 491
      |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 404 TRFIRIPQTHLGIARLELFCRVTPDAPCSNMLGMLSLGIADTQISASSTREYLMSP 462

RESULT 10
US-08-936-135-16
; Sequence 16, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,135
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC97-288-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 931 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-936-135-16

Query Match 11.3%; Score 343.5; DB 3; Length 931;
Best Local Similarity 23.2%; Pred. No. 4.7e-23;
Matches 111; Conservative 72; Mismatches 177; Indels 119; Gaps 15;

Qy 88 CGHLVTVQDSGTWTSKNYPGTYNHVTCEKTTVPK-GRKLILRLG-DLDIESQTCASDY 145
      |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 28 CGGRPSKDAGYITSPCYPDYPSHQCEWLVVAPENQKVLNFNPHFIEKHDKCYDF 87

Qy 146 LLP-----TSSDDQYGPCCGSMTPVKELLNLTSEVTVRFESGSHISGCFILTY-----AS 196
      |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 88 IEIRDGDSSEADLLGKHCGNI-APPTTISGGSVLVIKFTSDYARQAGFSLRVEIFKTVGS 146

Qy 197 SD-----HPDLITC-----LERASHVLKTEYSKF----- 220
      |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 147 EDCSKNFTSPNGTIESPGFPEKYPHNLDCTFTILAKPRMEILLOPLTFDLEHDPLOVGE 206

Qy 221 -CPAGCRDVAADIS--GNMVDGVYRDTSLCKAAIHAGIIADELGGQISVLQRKGISRY-- 275
      |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 207 DCKYDWLDIDWGIPIHVGPLIKYCGTKTPSKLRSSGTILSTFHTDMAVAKDGFSAARYL 266

Qy 276 -----EGILANGVLSDGSLSDKEFLFTSNGCSRSLSPFEPDQIRAS 317
      |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db 267 IHQEPNPNFQCNVPLMGESRIANEQISASSTFSDGR----- 303

Qy 318 SSMOSVNESGDQVHWSPCQARLODQGPWSWAGSDSSNNHKPREWLIEDLGEKKKITGIRTT 377

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Db 304 -----WTQQSLHGDGNGWTPNLSN-----KEYLQVLDRLFTLMLTAIQ 345
Qy 378 G--STQSNFNFYKSFVNFNNKWKYKGIYVNEEKVFGNSNFRDPVQNNFPIPV 435
Db 346 GALSRETKQYVYKYLEVSTNGEDMMVYRHGKHH--KIFQANNDATEVVLNKLHMLL 403
Qy 436 ARYRVVVPQTHORIALKVELIGCOITQGNDSLVRKTS---QSTSVSTKKEDETTIRP 491
Db 404 TRFIRPOTWHLGIALRLFLGCRVTDAPCSNMLGSLIADTQISASSTREYLWSP 462

RESULT 11
US-09-116-473-4
; Sequence 4, Application US/09116473
; Patent No. 6428965
; GENERAL INFORMATION:
; APPLICANT: Kolodkin, Alex
; APPLICANT: Ginty, David
; TITLE OF INVENTION: SEMAPHORIN RECEPTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Banner & Witcoff
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/116,473
; FILING DATE: 17-JUL-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/052,762
; FILING DATE: 17-JUL-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A
; REGISTRATION NUMBER: 32141
; REFERENCE/DOCKET NUMBER: 01107.74973
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-116-473-4

Query Match 10.8%; Score 331; DB 4; Length 922;
Best Local Similarity 24.1%; Pred. No. 6.9e-22;
Matches 112; Conservative 81; Mismatches 166; Indels 106; Gaps 19;

Qy 64 RGL-----LALLVAVSAPRLQAEELGDCGHLVTVYQDSGTMTSKNYPGTYPNHTVCEK 117
Db 3 RGLPLLCATLALALAGAFR-----SDKCGGTIKIENPGYLTPGYPHSYHPSEKCEW 56
Qy 118 TITVPKG-KRLIIRLG-DLDIESQTCASDYLLFTSSDQ-----YGPYCGSMTVPKELLN 171
Db 57 LIOAPEPYQRIIMFNPHFDLEDRCKDYVEVIDGENEGRLWGKFCGKI-APSPVSS 115
Qy 172 TSEVTVFSGSHISGRGFLTYA-----SSDHPDLITC-- 205
Db 116 GPFLFKFVSDYETHGAGFSIRIEFKRGPECSONYAPTGVKISPGCFPEKYPNSLECTY 175
Qy 206 -----LERASHYLKTEYSKFCPAG--CRDVAGDISGNMVDGYRDTSLCKAAIH 252

Db 176 IIFAPKMSIILBFESFDLEQDSNP--PGGVFCRYDRLEI-----WDGFPE----- 219
Qy 253 AGIADLGLGQISVLQKIGISRYEGILA-----NGVLSRDGSLDKRFLFTSNG-----CS 303
Db 220 ---VGPHIGYCCQKTPGRIRSSGILSMVFYTDALAKEGFSAVYVLOSSISSEDPKCM 276
Qy 304 RSLSPFP---DCQIRASSWSQSVNBSGDVHWSPOARLODQGPSWASGDSSNNHKKPRE 359
Db 277 EALGMESGEIHSQITASSQYGT-----NMSVERSLNYPENGWTPGEDSY-----RE 324
Qy 360 WLEIDLGEKKKITGRTTG--STQSNFNFYKSFVNFNNKWKYKGIYVNEEKVQ 417
Db 325 WIQVDLGLLRFVAVGTQGAISKETKKYVYKTYRVDISSNGEDWTLK--EGNKALIFQ 382
Qy 418 GNSNFRDPVQNNFIPVIVARYVVPQTHORIALKVELIGCOIT 462
Db 383 GNTNPTDVVFGVPPKPLITRFVRIKPSWETGISMRFVYGCKIT 427

RESULT 12
US-08-936-135-6
; Sequence 6, Application US/08936135
; Patent No. 6054293
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: He, Zhigang
; APPLICANT: Chen, Hang
; TITLE OF INVENTION: Semaphorin Receptors
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,135
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UC97-288-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 923 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-936-135-6

Query Match 10.8%; Score 329; DB 3; Length 923;
Best Local Similarity 24.0%; Pred. No. 1.1e-21;
Matches 113; Conservative 79; Mismatches 161; Indels 118; Gaps 21;

Qy 64 RGL-----LALLVAVSAPRLQAEELGDCGHLVTVYQDSGTMTSKNYPGTYPNHTVCEK 117
Db 3 RGLPLLCATLALALAGAFR-----SDKCGGTIKIENPGYLTPGYPHSYHPSEKCEW 56
Qy 118 TITVPKG-KRLIIRLG-DLDIESQTCASDYLLFTSSDQ-----YGPYCGSMTVPKELLN 171
Db 57 LIOAPEPYQRIIMFNPHFDLEDRCKDYVEVIDGENEGRLWGKFCGKI-APSPVSS 115

Db 58 NGCSTPLGMEKIKENKQITASSFKKSW-----GD--YWEPRARLNAQGRVNAQAKA 110
QY 353 NNHKPREWLEIDGKXKKTGIRTTGTSQSNFNFYKSFVMFNKNNNSKWKTKYKGIWNNE 412
Db 111 NNNK--QWLEIDLKIKKTAITITQCKSLSSSEMYKYSIYHSEQGVKPYRLKSSMV 168
QY 413 EKVFQGNFRDPVQNNFIPPIVARYVVPQTHQRIALKVELIGCQI 461
Db 169 DKIFEGNTKGVKNFNFPPIIISRFIRIPKTNQSIALLRLELFGCDI 217

RESULT 15

US-08-746-111-5
; Sequence S, Application US/08746111
; Patent No. 6066778
; GENERAL INFORMATION:
; APPLICANT: Ginsburg, David
; APPLICANT: Cui, Jisong
; TITLE OF INVENTION: Compositions And Methods For Screening
; TITLE OF INVENTION: Compounds For Anticoagulant Activity
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/746,111
; FILING DATE: 06-NOV-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02536
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2183 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-746-111-5

Query Match 10.4%; Score 318; DB 3; Length 2183;
Best Local Similarity 40.8%; Pred. No. 4.8e-20;
Matches 69; Conservative 31; Mismatches 53; Indels 16; Gaps 5;
QY 300 NGCSRSISSE-----PDQIRASS---SQSVNESGDQVHSPGOARLQDQSPWASGDS 352
Db 2023 NGCSTPLGLEDRIQDKQITASSFKKSW-----GD--YWEPSIARLNAQGRVNAQAKA 2075
QY 353 NNHKPREWLEIDGKXKKTGIRTTGTSQSNFNFYKSFVMFNKNNNSKWKTKYKGIWNNE 412
Db 2076 NNNK--QWLQVLLKIKKTAITITQCKSLSSSEMYKYSIYHSEQGVKPYRLKSSMV 2133
QY 413 EKVFQGNFRDPVQNNFIPPIVARYVVPQTHQRIALKVELIGCQI 461
Db 2134 DKIFEGNSNTKGVKNFNFPPIIISRFIRIPKTNQSIALLRLELFGCDI 2182

Search completed: December 29, 2003, 14:34:30
Job time: 22 secs

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